WEST Search History

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DATE: Tuesday, September 07, 2004

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	DB=PG	PB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ	
	L12	L11 and (capacit\$4)	3
	L11	L10 and (transform\$4)	4
	L10	L9 and (amplified or amplification or amplifying or amplifies or amplifier)	15
	L9	L8 and (current)	15
	L8	L7 and (frequency or RF)	15
	L7	L6 and ((switch\$4) with ripple)	15
	L6	L5 and (ripple)	43
	L5	L4 and (switch\$4)	2694
	L4	L3 and (phas\$3)	8025
	L3	L2 and (induct\$4)	9326
	L2	11 and (gradient)	38622
	L1	((Magnetic adj resonance) or MRI or NMR)	186565

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 15 of 15 returned.

1. Document ID: US 6671330 B1

Using default format because multiple data bases are involved.

L10: Entry 1 of 15

File: USPT

Dec 30, 2003

US-PAT-NO: 6671330

DOCUMENT-IDENTIFIER: US 6671330 B1

TITLE: Power amplifier

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Lenz; Helmut Oberasbach DE Schwingenschloegl; Christian Schwaig DE

US-CL-CURRENT: 375/297; 375/238

Full Title Citation Front Review Classification Date Reference Citation Claims QUIC Draw Dr

2. Document ID: US 6671329 B1

L10: Entry 2 of 15 File: USPT Dec 30, 2003

US-PAT-NO: 6671329

DOCUMENT-IDENTIFIER: US 6671329 B1

TITLE: Power amplifier

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Lenz; Helmut Oberasbach DE

US-CL-CURRENT: 375/297; 330/10, 375/238

Full Title Cration Front Review Classification Date Reference Claims XWC Draw Us

Page 2 of 8 Record List Display

3. Document ID: US 6172558 B1

L10: Entry 3 of 15 File: USPT Jan 9, 2001

US-PAT-NO: 6172558

DOCUMENT-IDENTIFIER: US 6172558 B1

TITLE: Switching amplifier and method for operating same

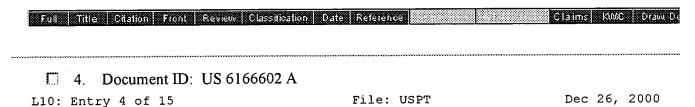
DATE-ISSUED: January 9, 2001

INVENTOR-INFORMATION:

STATE ZIP CODE COUNTRY CITY NAME

DE Nowak; Stefan Braeuningshof Bleisteiner; Robert Dormitz DE

US-CL-CURRENT: 330/10; 330/251



US-PAT-NO: 6166602

DOCUMENT-IDENTIFIER: US 6166602 A

TITLE: High-efficiency switching power amplifier

DATE-ISSUED: December 26, 2000

INVENTOR-INFORMATION:

STATE ZIP CODE COUNTRY CITY NAME

Steigerwald; Robert Louis Burnt Hills NY Johnson Creek WI Wirth; William Frederick

US-CL-CURRENT: 330/251; 327/124, 330/207A, 363/132

Full Title Citation Front Review Cla	ssification Date Reference	Claims KWMC Draw De
5. Document ID: US 61632		
L10: Entry 5 of 15	File: USPT	Dec 19, 2000

US-PAT-NO: 6163201

L10: Entry 5 of 15

DOCUMENT-IDENTIFIER: US 6163201 A

TITLE: Circuit for supplying a load with a direct voltage

DATE-ISSUED: December 19, 2000

Record List Display Page 3 of 8

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Schweighofer; Peter

Nuremberg

DE

US-CL-CURRENT: 327/496; 327/531, 327/587

Full Title Citation Front Review Classification Date Reference Claims	KunC Draw De

6. Document ID: US 6031746 A

L10: Entry 6 of 15

File: USPT

Feb 29, 2000

US-PAT-NO: 6031746

DOCUMENT-IDENTIFIER: US 6031746 A

TITLE: Switching amplifier for generating continuous arbitrary waveforms for

magnetic resonance imaging coils

DATE-ISSUED: February 29, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Steigerwald; Robert Louis Burnt Hills NY Wirth; William Frederick Johnson Creek WI Stevanovic; Ljubisa Dragolijub Clifton Park NY Park; John Norton Rexford NY

US-CL-CURRENT: 363/71; 323/225

Full Title Citation Front Review Classification Date Reference Claims KMC	(UEDIX VI
	on the second

7. Document ID: US 5721490 A

L10: Entry 7 of 15

File: USPT

Feb 24, 1998

US-PAT-NO: 5721490

DOCUMENT-IDENTIFIER: US 5721490 A

TITLE: Power source apparatus including a plurality of output current amplifiers

connected in parallel and $\underline{\mathtt{MRI}}$ apparatus using the same

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takano; Hiroshi	Ibaraki-ken			JP
Takeuchi; Hiroyuki	Kashiwa			JP
Chabata; Keiichi	Kashiwa			JP
Domoto; Takuya	Kashiwa			JP
Hatakeyama; Takanobu	Ryugasaki			JP

Record List Display Page 4 of 8

US-CL-CURRENT: 324/322; 600/410

Full Title Citation Front Review Classification Date Reference Claims KMC Draw. De

8. Document ID: US 5663647 A

L10: Entry 8 of 15 File: USPT Sep 2, 1997

US-PAT-NO: 5663647

DOCUMENT-IDENTIFIER: US 5663647 A

TITLE: Switching gradient amplifier with adjustable DC bus voltage

DATE-ISSUED: September 2, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Wirth; William Frederick Johnson Creek WI Park; John N. Rexford NY

US-CL-CURRENT: 324/322

Full Title Otalion Front Review Classification Date Reference Claims RMC Draw Do

9. Document ID: US 5519601 A

L10: Entry 9 of 15 File: USPT May 21, 1996

US-PAT-NO: 5519601

DOCUMENT-IDENTIFIER: US 5519601 A

TITLE: Pulse-width modulated circuit for applying current to a load

DATE-ISSUED: May 21, 1996

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Close; Eric C. Valley Forge PA
Goff; Jerry K. Doylestown PA
Yost; Donald A. Willow Grove PA

US-CL-CURRENT: 363/98; 318/811

Record List Display Page 5 of 8

US-PAT-NO: 5513094

DOCUMENT-IDENTIFIER: US 5513094 A

TITLE: Switch-mode power supply for bridged linear amplifier

DATE-ISSUED: April 30, 1996

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Stanley; Gerald R. Osceola IN

US-CL-CURRENT: 363/98; 323/266, 363/41

Full Sitle Citation Front Review Classification Date Reference Citatins KWC Draws Do

11. Document ID: US 5365422 A

L10: Entry 11 of 15 File: USPT Nov 15, 1994

US-PAT-NO: 5365422

DOCUMENT-IDENTIFIER: US 5365422 A

TITLE: Pulse-width modulated circuit for applying current to a load

DATE-ISSUED: November 15, 1994

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Close; Eric C. Valley Forge PA
Goff; Jerry K. Doylestown PA
Yost; Donald A. Willow Grove PA

US-CL-CURRENT: 363/98; 318/811

Full Title Citation Front Review Classification Date Reference Claims KMC Draw De

12. Document ID: US 5270657 A

L10: Entry 12 of 15 File: USPT Dec 14, 1993

US-PAT-NO: 5270657

DOCUMENT-IDENTIFIER: US 5270657 A

TITLE: Split gradient amplifier for an MRI system

DATE-ISSUED: December 14, 1993

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Wirth; William F. Sullivan WI

McFarland; Thomas G.

Hartland

WI

Vavrek; Robert M. Roemer; Peter B.

Schenectady

Waukesha

WI NY

Mueller; Otward M.

Ballston Lake

NY

Park; John N.

Rexford

NY

US-CL-CURRENT: 324/322; 324/318

Full Title Criation Front Review Classification Date Reference Claims ANIC Draws De

13. Document ID: US 5111378 A

L10: Entry 13 of 15

File: USPT

May 5, 1992

US-PAT-NO: 5111378

DOCUMENT-IDENTIFIER: US 5111378 A

TITLE: DC chopper converter

DATE-ISSUED: May 5, 1992

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Nowak; Stefan

Erlangen

DE

Bleisteiner; Robert

Dormitz

DE

US-CL-CURRENT: 363/98; 363/132, 363/56.04

Full Title Citation Front Review Classification Date Reference

Claims KMC Draw De

14. Document ID: US 5081409 A

L10: Entry 14 of 15

File: USPT

Jan 14, 1992

US-PAT-NO: 5081409

DOCUMENT-IDENTIFIER: US 5081409 A

TITLE: Pulse-width modulated circuit for driving a load

DATE-ISSUED: January 14, 1992

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Goff; Jerry K.

Doylestown

US-CL-CURRENT: 318/811; 318/599, 388/811, 388/907.2

Full Title Citation Front Review Classification Date Reference Claims RMC Draw Do

15. Document ID: US 5027071 A

L10: Entry 15 of 15

File: USPT

Jun 25, 1991

US-PAT-NO: 5027071

DOCUMENT-IDENTIFIER: US 5027071 A

TITLE: Method of, and apparatus for, $\underline{\mathtt{NMR}}$ slice selection

DATE-ISSUED: June 25, 1991

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hardy; Christopher J. Schenectady NY Roemer; Peter B. Schenectady NY Mueller; Otward M. Ballston Lake NY

US-CL-CURRENT: 324/309

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Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 5721490 A

Using default format because multiple data bases are involved.

L11: Entry 1 of 4

File: USPT

Feb 24, 1998

US-PAT-NO: 5721490

DOCUMENT-IDENTIFIER: US 5721490 A

TITLE: Power source apparatus including a plurality of output current amplifiers

connected in parallel and MRI apparatus using the same

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

COUNTRY NAME CITY STATE ZIP CODE JP Takano; Hiroshi Ibaraki-ken JP Takeuchi; Hiroyuki Kashiwa JP Chabata; Keiichi Kashiwa Kashiwa JΡ Domoto; Takuya JΡ Hatakeyama; Takanobu Ryugasaki

US-CL-CURRENT: 324/322; 600/410

Full Title Citation	Front Review Classification Date	: Reference C	Claims KMC Draw De
🗀 2. Docume	ent ID: US 5270657 A		
L11: Entry 2 of	4	File: USPT	Dec 14, 1993

US-PAT-NO: 5270657

L11: Entry 2 of 4

DOCUMENT-IDENTIFIER: US 5270657 A

TITLE: Split gradient amplifier for an MRT system

DATE-ISSUED: December 14, 1993

INVENTOR-INFORMATION:

COUNTRY NAME CITY STATE ZIP CODE Wirth; William F. Sullivan WI WI McFarland; Thomas G. Hartland Vavrek; Robert M. Waukesha NY Roemer; Peter B. Schenectady

Record List Display

Ĵ

Mueller; Otward M.

Ballston Lake

NY

Park; John N.

Rexford

ИХ

US-CL-CURRENT: 324/322; 324/318

Full Title Citation Front Review Classification Date Reference

Claims KWC Draw Do

3. Document ID: US 5081409 A

L11: Entry 3 of 4

File: USPT

Jan 14, 1992

US-PAT-NO: 5081409

DOCUMENT-IDENTIFIER: US 5081409 A

TITLE: Pulse-width modulated circuit for driving a load

DATE-ISSUED: January 14, 1992

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Goff; Jerry K. Doylestown PA

US-CL-CURRENT: 318/811; 318/599, 388/811, 388/907.2

Full Title Citation Front Review Classification Data Reference Claims KWC Draw. Do

4. Document ID: US 5027071 A

L11: Entry 4 of 4 File: USPT

Jun 25, 1991

US-PAT-NO: 5027071

DOCUMENT-IDENTIFIER: US 5027071 A

TITLE: Method of, and apparatus for, NMR slice selection

DATE-ISSUED: June 25, 1991

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hardy; Christopher J. Schenectady NY
Roemer; Peter B. Schenectady NY
Mueller; Otward M. Ballston Lake NY

US-CL-CURRENT: 324/309

Clear Generate Collection Print Fwd Refs Bkwd Refs Generate OACS

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TRANSFORM\$4	0
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TRANSFORMAAT	1
TRANSFORMAB	6
TRANSFORMABE	2
TRANSFORMABI	1
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Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: US 5721490 A

Using default format because multiple data bases are involved.

L12: Entry 1 of 3

File: USPT

Feb 24, 1998

US-PAT-NO: 5721490

DOCUMENT-IDENTIFIER: US 5721490 A

TITLE: Power source apparatus including a plurality of output <u>current amplifiers</u>

connected in parallel and $\underline{\mathtt{MRI}}$ apparatus using the same

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takano; Hiroshi	Ibaraki-ken			JP
Takeuchi; Hiroyuki	Kashiwa			JP
Chabata; Keiichi	Kashiwa			JP
Domoto; Takuya	Kashiwa			JP
Hatakeyama; Takanobu	Ryugasaki			JP

US-CL-CURRENT: 324/322; 600/410

Full Title Citation Front Review Classificat	ions Date Reference	Claims KWC Draw De
2. Document ID: US 5270657 A	L	
L12: Entry 2 of 3	File: USPT	Dec 14, 1993

US-PAT-NO: 5270657

DOCUMENT-IDENTIFIER: US 5270657 A

TITLE: Split gradient amplifier for an MRT system

DATE-ISSUED: December 14, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wirth; William F.	Sullivan	WI		
McFarland; Thomas G.	Hartland	WI		
Vavrek; Robert M.	Waukesha	WI		
Roemer; Peter B.	Schenectady	NY		

Mueller; Otward M.

Ballston Lake

NY

Park; John N.

Rexford

NY

US-CL-CURRENT: 324/322; 324/318

Full Title Citation Front Review Classification Date Reference Claims AMC	Draw Du

3. Document ID: US 5081409 A

L12: Entry 3 of 3

File: USPT

Jan 14, 1992

US-PAT-NO: 5081409

DOCUMENT-IDENTIFIER: US 5081409 A

TITLE: Pulse-width modulated circuit for driving a load

DATE-ISSUED: January 14, 1992

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Goff; Jerry K.

Doylestown

PA

US-CL-CURRENT: 318/811; 318/599, 388/811, 388/907.2

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